

RAW SEQUENCE LISTING

DATE: 04/05/2001

PATENT APPLICATION: US/09/812,633

TIME: 12.25:18

Input Set : A:\00742.066001.SEQLIST.TXT

Output Set: N:\CRF3\04052001\I812633.raw

ENTERED

4 <110> APPLICANT: Benjamin, Thomas L.
 5 Li, Dawei
 6 Mok, Samuel C.
 7 Cramer, Daniel W.
 8 Ma, Yupo
 10 <120> TITLE OF INVENTION: Diagnosing and Treating Cancer Cells
 11 Using Sal2
 13 <130> FILE REFERENCE: 00742/066001
 C--> 15 <140> CURRENT APPLICATION NUMBER: US/09/812,633
 C--> 15 <141> CURRENT FILING DATE: 2001-03-19
 15 <150> PRIOR APPLICATION NUMBER: US 60/216,723
 16 <151> PRIOR FILING DATE: 2000-07-07
 18 <160> NUMBER OF SEQ ID NOS: 21
 20 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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 23 <211> LENGTH: 1005
 24 <212> TYPE: PRT
 25 <213> ORGANISM: Homo Sapiens
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 31 20 25 30
 32 Val Cys Ala Lys Cys Cys Ala Gln Phe Thr Asp Pro Thr Glu Phe Leu
 33 35 40 45
 34 Ala His Gln Asn Ala Cys Ser Thr Asp Pro Pro Val Met Val Ile Ile
 35 50 55 60
 36 Gly Gly Gln Glu Asn Pro Asn Asn Ser Ser Ala Ser Ser Glu Pro Arg
 37 65 70 75 80
 38 Pro Glu Gly His Asn Asn Pro Gln Val Met Asp Thr Glu His Ser Asn
 39 85 90 95
 40 Pro Pro Asp Ser Gly Ser Ser Val Pro Thr Asp Pro Thr Trp Gly Pro
 41 100 105 110
 42 Glu Arg Arg Gly Glu Glu Ser Ser Gly His Phe Leu Val Ala Ala Thr
 43 115 120 125
 44 Gly Thr Ala Ala Gly Gly Gly Gly Gly Leu Ile Leu Ala Ser Pro Lys
 45 130 135 140
 46 Leu Gly Ala Thr Pro Leu Pro Pro Glu Ser Thr Pro Ala Pro Pro Pro
 47 145 150 155 160
 48 Pro Pro Pro Pro Pro Pro Pro Gly Val Gly Ser Gly His Leu Asn
 49 165 170 175
 50 Ile Pro Leu Ile Leu Glu Glu Leu Arg Val Leu Gln Gln Arg Gln Ile
 51 180 185 190

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57 225                230                235                240
58 Ser Pro Ile Lys Pro Val Gln Thr Ser Lys Thr Leu Ala Ser Ser Ser
59                245                250                255
60 Ser Ser Ser Ser Ser Ser Gly Ala Glu Thr Pro Lys Gln Ala Phe
61                260                265                270
62 Phe His Leu Tyr His Pro Leu Gly Ser Gln His Pro Phe Ser Ala Gly
63                275                280                285
64 Gly Val Gly Arg Ser His Lys Pro Thr Pro Ala Pro Ser Pro Ala Leu
65                290                295                300
66 Pro Gly Ser Thr Asp Gln Leu Ile Ala Ser Pro His Leu Ala Phe Pro
67 305                310                315                320
68 Ser Thr Thr Gly Leu Leu Ala Ala Gln Cys Leu Gly Ala Ala Arg Gly
69                325                330                335
70 Leu Glu Ala Thr Ala Ser Pro Gly Leu Leu Lys Pro Lys Asn Gly Ser
71                340                345                350
72 Gly Glu Leu Ser Tyr Gly Glu Val Met Gly Pro Leu Glu Lys Pro Gly
73                355                360                365
74 Gly Arg His Lys Cys Arg Phe Cys Ala Lys Val Phe Gly Ser Asp Ser
75                370                375                380
76 Ala Leu Gln Ile His Leu Arg Ser His Thr Gly Glu Arg Pro Tyr Lys
77 385                390                395                400
78 Cys Asn Val Cys Gly Asn Arg Phe Thr Thr Arg Gly Asn Leu Lys Val
79                405                410                415
80 His Phe His Arg His Arg Glu Lys Tyr Pro His Val Gln Met Asn Pro
81                420                425                430
82 His Pro Val Pro Glu His Leu Asp Tyr Val Ile Thr Ser Ser Gly Leu
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84 Pro Tyr Gly Met Ser Val Pro Pro Glu Lys Ala Glu Glu Glu Ala Ala
85                450                455                460
86 Thr Pro Gly Gly Gly Val Glu Arg Lys Pro Leu Val Ala Ser Thr Thr
87 465                470                475                480
88 Ala Leu Ser Ala Thr Glu Ser Leu Thr Leu Leu Ser Thr Ser Ala Gly
89                485                490                495
90 Thr Ala Thr Ala Pro Gly Leu Pro Ala Phe Asn Lys Phe Val Leu Met
91                500                505                510
92 Lys Ala Val Glu Pro Lys Asn Lys Ala Asp Glu Asn Thr Pro Pro Gly
93                515                520                525
94 Ser Glu Gly Ser Ala Ile Ser Gly Val Ala Glu Ser Ser Thr Ala Thr
95                530                535                540
96 Leu Met Gln Leu Ser Lys Leu Met Thr Ser Leu Pro Ser Trp Ala Leu
97 545                550                555                560
98 Leu Thr Asn His Phe Lys Ser Thr Gly Ser Phe Pro Leu Pro Leu Cys
99                565                570                575
100 Ala Arg Ala Leu Gly Ala Ser Pro Ser Glu Thr Ser Lys Leu Gln Gln
101                580                585                590
102 Leu Val Glu Lys Ile Asp Arg Gln Gly Ala Val Ala Val Thr Ser Ala
103                595                600                605
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105	610	615	620
106	Ser Ser Gly Pro Asn Gln Cys Val Ile Cys Leu Arg Val Leu Ser Cys		
107	625	630	635 640
108	Pro Arg Ala Leu Arg Leu His Tyr Gly Gln His Gly Gly Glu Arg Pro		
109	645	650	655
110	Phe Lys Cys Lys Val Cys Gly Arg Ala Phe Ser Thr Arg Gly Asn Leu		
111	660	665	670
112	Arg Ala His Phe Val Gly His Lys Ala Ser Pro Ala Ala Arg Ala Gln		
113	675	680	685
114	Asn Ser Cys Pro Ile Cys Gln Lys Lys Phe Thr Asn Ala Val Thr Leu		
115	690	695	700
116	Gln Gln His Val Arg Met His Leu Gly Gly Gln Ile Pro Asn Gly Gly		
117	705	710	715 720
118	Thr Ala Leu Pro Glu Gly Gly Gly Ala Ala Gln Glu Asn Gly Ser Glu		
119	725	730	735
120	Gln Ser Thr Val Ser Gly Ala Gly Ser Phe Pro Gln Gln Gln Ser Gln		
121	740	745	750
122	Gln Pro Ser Pro Glu Glu Glu Leu Ser Glu Glu Glu Glu Glu Asp		
123	755	760	765
124	Glu Glu Glu Glu Glu Asp Val Thr Asp Glu Asp Ser Leu Ala Gly Arg		
125	770	775	780
126	Gly Ser Glu Ser Gly Gly Glu Lys Ala Ile Ser Val Arg Gly Asp Ser		
127	785	790	795 800
128	Glu Glu Ala Ser Gly Ala Glu Glu Glu Val Gly Thr Val Ala Ala Ala		
129	805	810	815
130	Ala Thr Ala Gly Lys Glu Met Asp Ser Asn Glu Lys Thr Thr Gln Gln		
131	820	825	830
132	Ser Ser Leu Pro Pro Pro Pro Pro Pro Asp Ser Leu Asp Gln Pro Gln		
133	835	840	845
134	Pro Met Glu Gln Gly Ser Ser Gly Val Leu Gly Gly Lys Glu Glu Gly		
135	850	855	860
136	Gly Lys Pro Glu Arg Ser Ser Ser Pro Ala Ser Ala Leu Thr Pro Glu		
137	865	870	875 880
138	Gly Glu Ala Thr Ser Val Thr Leu Val Glu Glu Leu Ser Leu Gln Glu		
139	885	890	895
140	Ala Met Arg Lys Glu Pro Gly Glu Ser Ser Ser Arg Lys Ala Cys Glu		
141	900	905	910
142	Val Cys Gly Gln Ala Phe Pro Ser Gln Ala Ala Leu Glu Glu His Gln		
143	915	920	925
144	Lys Thr His Pro Lys Glu Gly Pro Leu Phe Thr Cys Val Phe Cys Arg		
145	930	935	940
146	Gln Gly Phe Leu Glu Arg Ala Thr Leu Lys Lys His Met Leu Leu Ala		
147	945	950	955 960
148	His His Gln Val Gln Pro Phe Ala Pro His Gly Pro Gln Asn Ile Ala		
149	965	970	975
150	Ala Leu Ser Leu Val Pro Gly Cys Ser Pro Ser Ile Thr Ser Thr Gly		
151	980	985	990
152	Leu Ser Pro Phe Pro Arg Lys Asp Asp Pro Thr Thr Pro		

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156 <210> SEQ ID NO: 2

157 <211> LENGTH: 16080

158 <212> TYPE: DNA

159 <213> ORGANISM: Homo sapiens

161 <400> SEQUENCE: 2

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164 tactagggtta ggaagctctg gagcctacag cttgaggaga agccatcgtt caagtcagtc 180
165 aatagcaaaa cctcactctc ctctctctca gaactcctgt tccaaatgat cctatgttaa 240
166 gagtaaatag tacaactcat tacaagaagg agaggcaggg aggaacccac ctggagctgg 300
167 gactcttaag aaccagacaa tgacaaagac acaagcccca gctacggat aggcacaaatg 360
168 ggtagggggtc ttgaaagagg aagataagga aaatacaagg ggcacaggaa taaaggaggg 420
169 agttatctaa aactagaagg atactagtgc taggaaatcc cccatgatcc ctggtacacc 480
170 ttgcacact atgtcacat tagcccaaaa gaatattaac gagaatgtcc acattcacaa 540
171 gaatttgagg ccttttccct tacatcatgt ccttttctta gtcacatagg taccagcaag 600
172 cctatgttc tagcaacatt ccttaactct ctcatcatta gttcatcaac catgetgacc 660
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175 gtcttgccac actgaccagc caaaaacctt accttaatgt gaccatcagg ggatttactg 840
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L:15 M:270 C: Current Application Number differs, Replaced Current Application No

L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date